		Aeronautics Educat	or Guide
		2005 Scienc	e
		Content Standa	ards
South Dakota Scienc	е		
Grade 2			
Activity/Lesson	State	Standards	
			Use scientific thinking skills of observing,
Air Engines (12-16)	SD	SCI.2.1.2.a	communicating, classifying, and comparing.
			Make predictions based on observations rather
Air Engines (12-16)	SD	SCI.2.1.2.c	than random guesses.
			Explain how scientific findings have generated
Making Time Fly (80-			solutions to various environmental and social
86)	SD	SCI.2.5.2.b	concerns.
Where is North? The			
Compass Can Tell Us			Make predictions based on observations rather
(87-90)	SD	SCI.2.1.2.c	than random guesses.
			Measure and record weather data such as high
We Can Fly, You and			and low temperature, wind, precipitation, clouds
I: Interdisciplinary			using tools such as a rain gauge, anemometer,
Learning (107-108)	SD	SCI.2.2.E.1.1.a	wind sock, etc.
Dunked Napkin (17-			Make predictions based on observations rather
22)	SD	SCI.2.1.2.c	than random guesses.
Paper Bag Mask (23-			Measure length, volume, mass, and temperature
28)	SD	SCI.2.1.2.b	in appropriate units.
Paper Bag Mask (23-			Make predictions based on observations rather
28)	SD	SCI.2.1.2.c	than random guesses.
Wind in Your Socks)	0.0	201040	Use scientific thinking skills of observing,
(29-35)	SD	SCI.2.1.2.a	communicating, classifying, and comparing.
Dialet Elialet (50 50)	0.0	001040	Make predictions based on observations rather
Right Flight (52-59)	SD	SCI.2.1.2.c	than random guesses.
Delta Wing Glider (60-		001040	Make predictions based on observations rather
68)	SD	SCI.2.1.2.c	than random guesses.
		Aeronautics Educat	or Guide
		2005 Scienc	
		Content Standa	
South Dakota Science	<u>е</u>		
Grade 3			
Activity/Lesson	State	Standards	
Air Engines (12-16)	SD	SCI.3.1.2.b	Make observations.
, ,			Explain science as a process involving asking
Rotor Motor (69-75)	SD	SCI.3.1.1.b	and answering questions.
Making Time Fly (80-			
86)	SD	SCI.3.1.2.i	Communicate results.
Where is North? The			
Compass Can Tell Us			Explain science as a process involving asking
(87-90)	SD	SCI.3.1.1.b	and answering questions.
We Can Fly, You and			
I: Interdisciplinary			Use appropriate metric measurement to collect,
Learning (107-108)	SD	SCI.3.1.2.g	record, chart, and/or graph data.
Dunked Napkin (17-		_	Explain science as a process involving asking
22)	SD	SCI.3.1.1.b	and answering questions.

December of March 11, 11, 11, 11			Use to continue the second sec				
Dunked Napkin (17-	0.0	001040	Use investigations in science to acquire				
22)	SD	SCI.3.1.2.a	knowledge.				
Dunked Napkin (17-							
22)	SD	SCI.3.1.2.e	Plan investigations.				
Dunked Napkin (17-			Use appropriate metric measurement to collect,				
22)	SD	SCI.3.1.2.g	record, chart, and/or graph data.				
Dunked Napkin (17-							
22)	SD	SCI.3.1.2.h	Interpret data.				
Paper Bag Mask (23-			Explain science as a process involving asking				
28)	SD	SCI.3.1.1.b	and answering questions.				
Wind in Your Socks)			Use appropriate metric measurement to collect,				
(29-35)	SD	SCI.3.1.2.g	record, chart, and/or graph data.				
			Explain science as a process involving asking				
Bag Balloons (40-43)	SD	SCI.3.1.1.b	and answering questions.				
	Δρη	│ onautics Educat	or Guide				
2005 Science							
Content Standards							
South Dakota Science	e						
Grade 4							
Activity/Lesson	State	Standards					
Air Engines (12-16)	SD	SCI.4.1.2.b	Make observations.				
Making Time Fly (80-							
86)	SD	SCI.4.1.2.j	Communicate results.				
We Can Fly, You and		,					
I: Interdisciplinary			Use appropriate metric measurement to collect,				
Learning (107-108)	SD	SCI.4.1.2.h	record, chart, and/or graph data.				
We Can Fly, You and			J contract of the contract of				
I: Interdisciplinary							
Learning (107-108)	SD	SCI.4.4.E.1.2.b	Explain the use of weather instruments.				
,			Describe science as the process of asking and				
Dunked Napkin (17-			answering questions and comparing the results				
22)	SD	SCI.4.1.1.b	to what is already known.				
Dunked Napkin (17-			Use investigations in science to acquire				
22)	SD	SCI.4.1.2.a	knowledge.				
Dunked Napkin (17-							
22)	SD	SCI.4.1.2.c	Make predictions.				
Dunked Napkin (17-							
22)	SD	SCI.4.1.2.d	Ask questions.				
Dunked Napkin (17-							
22)	SD	SCI.4.1.2.e	Form a simple hypothesis.				
Dunked Napkin (17-							
22)	SD	SCI.4.1.2.f	Plan investigations.				
Dunked Napkin (17-			Use appropriate metric measurement to collect,				
22)	SD	SCI.4.1.2.h	record, chart, and/or graph data.				
Dunked Napkin (17-							
22)	SD	SCI.4.1.2.i	Interpret data.				
			Describe science as the process of asking and				
Paper Bag Mask (23-			answering questions and comparing the results				
28)	SD	SCI.4.1.1.b	to what is already known.				
Paper Bag Mask (23-							
28)	SD	SCI.4.1.2.c	Make predictions.				

Wind in Your Socks)			
(29-35)	SD	SCI.4.1.2.b	Make observations.
Wind in Your Socks)			
(29-35)	SD	SCI.4.1.2.d	Ask questions.
Wind in Your Socks)			Use appropriate metric measurement to collect,
(29-35)	SD	SCI.4.1.2.h	record, chart, and/or graph data.
			Describe science as the process of asking and
			answering questions and comparing the results
Bag Balloons (40-43)	SD	SCI.4.1.1.b	to what is already known.
Bag Balloons (40-43)	SD	SCI.4.1.2.d	Ask questions.
Right Flight (52-59)	SD	SCI.4.1.2.c	Make predictions.
Delta Wing Glider (60-			
68)	SD	SCI.4.1.2.c	Make predictions.